GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: June 25, 2003, 11:52:01 ; Search time 23.1 Seconds
(without alignments)
70.264 Million cell updates/sec

Title: US-09-869-540A-2_COPY_5_19
Perfect score: 90
Sequence: 1 LRCMLGRVYRPCWQV 15

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep:*
13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	90	100.0	19	9	US-09-791-932-183	Sequence 183, App
2	90	100.0	19	9	US-10-182-509-11	Sequence 11, Appl
3	90	100.0	19	10	US-09-925-776-7	Sequence 7, Appli
4	84	93.3	19	9	US-10-182-509-13	Sequence 13, Appl
5	82	91.1	17	9	US-09-791-932-184	Sequence 184, App
6	82	91.1	19	9	US-10-182-509-14	Sequence 14, Appl
7	81	90.0	13	9	US-10-182-509-12	Sequence 12, Appl
8	70	77.8	16	9	US-10-182-509-10	Sequence 10, Appl
9	66	73.3	11	9	US-10-182-509-7	Sequence 7, Appli
10	66	73.3	11	9	US-10-182-509-39	Sequence 39, Appl
11	64	71.1	12	9	US-10-182-509-8	Sequence 8, Appli
12	62	68.9	11	9	US-10-182-509-62	Sequence 62, Appl
13	61	67.8	10	9	US-10-182-509-9	Sequence 9, Appli
14	61	67.8	10	9	US-10-182-509-37	Sequence 37, Appl
15	61	67.8	10	9	US-10-182-509-38	Sequence 38, Appl
16	61	67.8	11	9	US-10-182-509-15	Sequence 15, Appl
17	61	67.8	11	9	US-10-182-509-18	Sequence 18, Appl
18	61	67.8	11	9	US-10-182-509-20	Sequence 20, Appl
19	61	67.8	11	9	US-10-182-509-26	Sequence 26, Appl
20	61	67.8	11	9	US-10-182-509-31	Sequence 31, Appl
21	61	67.8	11	9	US-10-182-509-32	Sequence 32, Appl
22	61	67.8	11	9	US-10-182-509-33	Sequence 33, Appl
23	61	67.8	11	9	US-10-182-509-34	Sequence 34, Appl
24	61	67.8	11	9	US-10-182-509-35	Sequence 35, Appl
25	61	67.8	11	9	US-10-182-509-36	Sequence 36, Appl
26	61	67.8	11	9	US-10-182-509-40	Sequence 40, Appl
27	61	67.8	11	9	US-10-182-509-41	Sequence 41, Appl
28	61	67.8	11	9	US-10-182-509-42	Sequence 42, Appl
29	61	67.8	11	9	US-10-182-509-43	Sequence 43, Appl
30	61	67.8	11	9	US-10-182-509-44	Sequence 44, Appl
31	61	67.8	11	9	US-10-182-509-45	Sequence 45, Appl
32	61	67.8	11	9	US-10-182-509-46	Sequence 46, Appl
33	61	67.8	11	9	US-10-182-509-63	Sequence 63, Appl
34	61	67.8	11	9	US-10-182-509-64	Sequence 64, Appl
35	60	66.7	11	9	US-10-182-509-17	Sequence 17, Appl
36	60	66.7	11	9	US-10-182-509-19	Sequence 19, Appl
37	60	66.7	11	9	US-10-182-509-22	Sequence 22, Appl
38	60	66.7	11	9	US-10-182-509-25	Sequence 25, Appl
39	60	66.7	11	9	US-10-182-509-28	Sequence 28, Appl
40	60	66.7	11	9	US-10-182-509-29	Sequence 29, Appl
41	60	66.7	11	9	US-10-182-509-47	Sequence 47, Appl
42	60	66.7	11	9	US-10-182-509-51	Sequence 51, Appl
43	60	66.7	11	9	US-10-182-509-52	Sequence 52, Appl
44	60	66.7	11	9	US-10-182-509-77	Sequence 77, Appl
45	59	65.6	11	9	US-10-182-509-27	Sequence 27, Appl

ALIGNMENTS

RESULT 1
US-09-791-932-183
; Sequence 183, Application US/09791932
; Publication No. US20030003451A1
; GENERAL INFORMATION:
; APPLICANT: Vogeli, Gabriel
; APPLICANT: Parodi, Luis A.
; APPLICANT: Hiebsch, Ronald R.
; APPLICANT: Lind, Peter
; APPLICANT: Kaytes, Paul S.
; APPLICANT: Ruff, Valerie
; APPLICANT: Huff, Rita M.
; APPLICANT: Wood, Linda S.
; TITLE OF INVENTION: No. US20030003451A1el G Protein-Coupled Receptors Cross-Ref
; FILE REFERENCE: 00325.US1
; CURRENT APPLICATION NUMBER: US/09/791,932
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/184,305
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,304
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,303
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,397
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/184,247
; PRIOR FILING DATE: 2000-02-23
; PRIOR APPLICATION NUMBER: 60/188,880
; PRIOR FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: 60/217,369
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/217,370
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/218,492
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: 60/186,810
; PRIOR FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: 60/188,064
; PRIOR FILING DATE: 2000-03-09
; PRIOR APPLICATION NUMBER: 60/186,457
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: 60/213,861

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;  PRIOR FILING DATE:   2000-06-23
;  PRIOR APPLICATION NUMBER:   60/194,344
;  PRIOR FILING DATE:   2000-04-03
;  PRIOR APPLICATION NUMBER:   60/218,337
;  PRIOR FILING DATE:   2000-07-14
;  NUMBER OF SEQ ID NOS:   184
;  SOFTWARE:   PatentIn version 3.0
; SEQ ID NO 183
;   LENGTH: 19
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-791-932-183

  Query Match             100.0%;  Score 90;  DB 9;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 6.7e-08;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LRCMLGRVYRPCWQV 15
              |||||||||||||||
Db          5 LRCMLGRVYRPCWQV 19


RESULT 2
US-10-182-509-11
; Sequence 11, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
;  APPLICANT: Bednarek, Maria A.
;  TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
;  FILE REFERENCE: 20590YP
;  CURRENT APPLICATION NUMBER: US/10/182,509
;  CURRENT FILING DATE:  2002-07-31
;  PRIOR APPLICATION NUMBER: PCT/US01/03293
;  PRIOR FILING DATE: 2001-02-01
;  PRIOR APPLICATION NUMBER: 60/179,967
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
;   LENGTH: 19
;   TYPE: PRT
;   ORGANISM: Human
;   FEATURE:
;   NAME/KEY: DISULFID
;   LOCATION: (7)...(16)
US-10-182-509-11

  Query Match             100.0%;  Score 90;  DB 9;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 6.7e-08;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LRCMLGRVYRPCWQV 15
              |||||||||||||||
Db          5 LRCMLGRVYRPCWQV 19


RESULT 3
US-09-925-776-7
; Sequence 7, Application US/09925776
; Patent No. US20020038007A1
; GENERAL INFORMATION:
;  APPLICANT: AMES, ROBERT S. , JR.
;  APPLICANT:  SARAU, HENRY M.
;  APPLICANT:  FOLEY, JAMES J.
;  APPLICANT:  BERGSMA, DERK J.
;  APPLICANT:  ELLIS, CATHERINE E.
;  APPLICANT:  CHAMBERS, JON K.
;  TITLE OF INVENTION: A METHOD OF FINDING AGONIST AND
;  TITLE OF INVENTION:  ANTAGONIST TO HUMAN 11CB SPLICE VARIANT
;  FILE REFERENCE: GP-50003-D2
;  CURRENT APPLICATION NUMBER: US/09/925,776
;  CURRENT FILING DATE:  2001-08-09
;  PRIOR APPLICATION NUMBER: 60/032,763
;  PRIOR FILING DATE: 1996-12-11
;  PRIOR APPLICATION NUMBER: 08/984,288
;  PRIOR FILING DATE: 1997-12-03
;  PRIOR APPLICATION NUMBER: 60/073,747
;  PRIOR FILING DATE: 1998-02-05
;  PRIOR APPLICATION NUMBER: 09/060,504
;  PRIOR FILING DATE: 1998-04-15
;  NUMBER OF SEQ ID NOS: 7
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 7
;   LENGTH: 19
;   TYPE: PRT
;   ORGANISM: HOMO SAPIENS
US-09-925-776-7

  Query Match             100.0%;  Score 90;  DB 10;  Length 19;
  Best Local Similarity   100.0%;  Pred. No. 6.7e-08;
  Matches   15;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LRCMLGRVYRPCWQV 15
              |||||||||||||||
Db          5 LRCMLGRVYRPCWQV 19


RESULT 4
US-10-182-509-13
; Sequence 13, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
;  APPLICANT: Bednarek, Maria A.
;  TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
;  FILE REFERENCE: 20590YP
;  CURRENT APPLICATION NUMBER: US/10/182,509
;  CURRENT FILING DATE:  2002-07-31
;  PRIOR APPLICATION NUMBER: PCT/US01/03293
;  PRIOR FILING DATE: 2001-02-01
;  PRIOR APPLICATION NUMBER: 60/179,967
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
;   LENGTH: 19
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: MCH Analog
;   FEATURE:
;   NAME/KEY: DISULFID
;   LOCATION: (7)...(16)
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (4)...(4)
;   OTHER INFORMATION: Xaa = No. US20030105278Alleucine
;   FEATURE:
;   NAME/KEY: MOD_RES
;   LOCATION: (8)...(8)
;   OTHER INFORMATION: Xaa = No. US20030105278Alleucine
US-10-182-509-13

  Query Match             93.3%;  Score 84;  DB 9;  Length 19;
  Best Local Similarity   93.3%;  Pred. No. 6.1e-07;
  Matches   14;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 LRCMLGRVYRPCWQV 15
              ||| ||||||||||
Db          5 LRCXLGRVYRPCWQV 19


RESULT 5
US-09-791-932-184
; Sequence 184, Application US/09791932
; Publication No. US20030003451A1
; GENERAL INFORMATION:
```

```
;  APPLICANT:  Vogeli, Gabriel
;  APPLICANT:  Parodi, Luis A.
;  APPLICANT:  Hiebsch, Ronald R.
;  APPLICANT:  Lind, Peter
;  APPLICANT:  Kaytes, Paul S.
;  APPLICANT:  Ruff, Valerie
;  APPLICANT:  Huff, Rita M.
;  APPLICANT:  Wood, Linda S.
;  TITLE OF INVENTION:   No. US20030003451A1el G Protein-Coupled Receptors Cross-Referen
;  FILE REFERENCE:   00325.US1
;  CURRENT APPLICATION NUMBER: US/09/791,932
;  CURRENT FILING DATE:  2001-02-23
;  PRIOR APPLICATION NUMBER:   60/184,305
;  PRIOR FILING DATE:   2000-02-23
;  PRIOR APPLICATION NUMBER:   60/184,304
;  PRIOR FILING DATE:   2000-02-23
;  PRIOR APPLICATION NUMBER:   60/184,303
;  PRIOR FILING DATE:   2000-02-23
;  PRIOR APPLICATION NUMBER:   60/184,397
;  PRIOR FILING DATE:   2000-02-23
;  PRIOR APPLICATION NUMBER:   60/184,247
;  PRIOR FILING DATE:   2000-02-23
;  PRIOR APPLICATION NUMBER:   60/188,880
;  PRIOR FILING DATE:   2000-03-13
;  PRIOR APPLICATION NUMBER:   60/217,369
;  PRIOR FILING DATE:   2000-07-11
;  PRIOR APPLICATION NUMBER:   60/217,370
;  PRIOR FILING DATE:   2000-07-11
;  PRIOR APPLICATION NUMBER:   60/218,492
;  PRIOR FILING DATE:   2000-07-20
;  PRIOR APPLICATION NUMBER:   60/186,810
;  PRIOR FILING DATE:   2000-03-03
;  PRIOR APPLICATION NUMBER:   60/188,064
;  PRIOR FILING DATE:   2000-03-09
;  PRIOR APPLICATION NUMBER:   60/186,457
;  PRIOR FILING DATE:   2000-03-02
;  PRIOR APPLICATION NUMBER:   60/213,861
;  PRIOR FILING DATE:   2000-06-23
;  PRIOR APPLICATION NUMBER:   60/194,344
;  PRIOR FILING DATE:   2000-04-03
;  PRIOR APPLICATION NUMBER:   60/218,337
;  PRIOR FILING DATE:   2000-07-14
;  NUMBER OF SEQ ID NOS:   184
;  SOFTWARE:   PatentIn version 3.0
; SEQ ID NO 184
;   LENGTH: 17
;   TYPE: PRT
;   ORGANISM: Salmon
US-09-791-932-184

  Query Match             91.1%;  Score 82;  DB 9;  Length 17;
  Best Local Similarity   80.0%;  Pred. No. 1.1e-06;
  Matches   12;  Conservative    3;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LRCMLGRVYRPCWQV 15
              :|||:|||||||:|
Db          3 MRCMVGRVYRPCWEV 17


RESULT 6
US-10-182-509-14
; Sequence 14, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
;  APPLICANT: Bednarek, Maria A.
;  TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
;  FILE REFERENCE: 20590YP
;  CURRENT APPLICATION NUMBER: US/10/182,509
;  CURRENT FILING DATE:  2002-07-31
;  PRIOR APPLICATION NUMBER: PCT/US01/03293
;  PRIOR FILING DATE: 2001-02-01
;  PRIOR APPLICATION NUMBER: 60/179,967
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
;   LENGTH: 19
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: MCH Analog
;   FEATURE:
;   NAME/KEY: DISULFID
;   LOCATION: (7)...(16)
US-10-182-509-14

  Query Match             91.1%;  Score 82;  DB 9;  Length 19;
  Best Local Similarity   92.9%;  Pred. No. 1.3e-06;
  Matches   13;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LRCMLGRVYRPCWQ 14
              |||||||||:|||||
Db          5 LRCMLGRVFRPCWQ 18


RESULT 7
US-10-182-509-12
; Sequence 12, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
;  APPLICANT: Bednarek, Maria A.
;  TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
;  FILE REFERENCE: 20590YP
;  CURRENT APPLICATION NUMBER: US/10/182,509
;  CURRENT FILING DATE:  2002-07-31
;  PRIOR APPLICATION NUMBER: PCT/US01/03293
;  PRIOR FILING DATE: 2001-02-01
;  PRIOR APPLICATION NUMBER: 60/179,967
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
;   LENGTH: 13
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: MCH Analog
;   FEATURE:
;   NAME/KEY: DISULFID
;   LOCATION: (1)...(10)
;   FEATURE:
;   NAME/KEY: ACETYLATION
;   LOCATION: (1)...(1)
US-10-182-509-12

  Query Match             90.0%;  Score 81;  DB 9;  Length 13;
  Best Local Similarity   100.0%;  Pred. No. 1.3e-06;
  Matches   13;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 CMLGRVYRPCWQV 15
              |||||||||||||
Db          1 CMLGRVYRPCWQV 13


RESULT 8
US-10-182-509-10
; Sequence 10, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
;  APPLICANT: Bednarek, Maria A.
;  TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
;  FILE REFERENCE: 20590YP
;  CURRENT APPLICATION NUMBER: US/10/182,509
;  CURRENT FILING DATE:  2002-07-31
;  PRIOR APPLICATION NUMBER: PCT/US01/03293
;  PRIOR FILING DATE: 2001-02-01
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;  PRIOR APPLICATION NUMBER: 60/179,967
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
;   LENGTH: 16
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: AMIDATION
;   LOCATION: (16)...(16)
;   FEATURE:
;   NAME/KEY: DISULFID
;   LOCATION: (7)...(16)
;   OTHER INFORMATION: MCH Analog
US-10-182-509-10

  Query Match             77.8%;  Score 70;  DB 9;  Length 16;
  Best Local Similarity   100.0%;  Pred. No. 8.8e-05;
  Matches   12;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 LRCMLGRVYRPC 12
              ||||||||||||
Db          5 LRCMLGRVYRPC 16


RESULT 9
US-10-182-509-7
; Sequence 7, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
;  APPLICANT: Bednarek, Maria A.
;  TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
;  FILE REFERENCE: 20590YP
;  CURRENT APPLICATION NUMBER: US/10/182,509
;  CURRENT FILING DATE:  2002-07-31
;  PRIOR APPLICATION NUMBER: PCT/US01/03293
;  PRIOR FILING DATE: 2001-02-01
;  PRIOR APPLICATION NUMBER: 60/179,967
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 7
;   LENGTH: 11
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: ACETYLATION
;   LOCATION: (1)...(1)
;   FEATURE:
;   NAME/KEY: AMIDATION
;   LOCATION: (11)...(11)
;   FEATURE:
;   NAME/KEY: DISULFID
;   LOCATION: (2)...(11)
;   OTHER INFORMATION: MCH Analog
US-10-182-509-7

  Query Match             73.3%;  Score 66;  DB 9;  Length 11;
  Best Local Similarity   100.0%;  Pred. No. 0.00027;
  Matches   11;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 RCMLGRVYRPC 12
              ||||||||||||
Db          1 RCMLGRVYRPC 11


RESULT 10
US-10-182-509-39
; Sequence 39, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
;  APPLICANT: Bednarek, Maria A.
;  TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
;  FILE REFERENCE: 20590YP
;  CURRENT APPLICATION NUMBER: US/10/182,509
;  CURRENT FILING DATE:  2002-07-31
;  PRIOR APPLICATION NUMBER: PCT/US01/03293
;  PRIOR FILING DATE: 2001-02-01
;  PRIOR APPLICATION NUMBER: 60/179,967
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 39
;   LENGTH: 11
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: MCH Analog
;   FEATURE:
;   NAME/KEY: AMIDATION
;   LOCATION: (11)...(11)
;   FEATURE:
;   NAME/KEY: DISULFID
;   LOCATION: (2)...(11)
US-10-182-509-39

  Query Match             73.3%;  Score 66;  DB 9;  Length 11;
  Best Local Similarity   100.0%;  Pred. No. 0.00027;
  Matches   11;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 RCMLGRVYRPC 12
              ||||||||||||
Db          1 RCMLGRVYRPC 11


RESULT 11
US-10-182-509-8
; Sequence 8, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
;  APPLICANT: Bednarek, Maria A.
;  TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
;  FILE REFERENCE: 20590YP
;  CURRENT APPLICATION NUMBER: US/10/182,509
;  CURRENT FILING DATE:  2002-07-31
;  PRIOR APPLICATION NUMBER: PCT/US01/03293
;  PRIOR FILING DATE: 2001-02-01
;  PRIOR APPLICATION NUMBER: 60/179,967
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
;   LENGTH: 12
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: ACETYLATION
;   LOCATION: (1)...(1)
;   FEATURE:
;   NAME/KEY: AMIDATION
;   LOCATION: (12)...(12)
;   FEATURE:
;   NAME/KEY: DISULFID
;   LOCATION: (2)...(11)
;   OTHER INFORMATION: MCH Analog
US-10-182-509-8

  Query Match             71.1%;  Score 64;  DB 9;  Length 12;
  Best Local Similarity   83.3%;  Pred. No. 0.00061;
  Matches   10;  Conservative    2;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 RCMLGRVYRPCW 13
              |||||||:|||:
Db          1 RCMLGRVFRPCY 12
```

```
RESULT 12
US-10-182-509-62
; Sequence 62, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
;  APPLICANT: Bednarek, Maria A.
;  TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
;  FILE REFERENCE: 20590YP
;  CURRENT APPLICATION NUMBER: US/10/182,509
;  CURRENT FILING DATE:  2002-07-31
;  PRIOR APPLICATION NUMBER: PCT/US01/03293
;  PRIOR FILING DATE: 2001-02-01
;  PRIOR APPLICATION NUMBER: 60/179,967
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 62
;   LENGTH: 11
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: MCH Analog
;   FEATURE:
;   NAME/KEY: ACETYLATION
;   LOCATION: (1)...(1)
;   FEATURE:
;   NAME/KEY: AMIDATION
;   LOCATION: (11)...(11)
;   FEATURE:
;   NAME/KEY: DISULFID
;   LOCATION: (2)...(11)
US-10-182-509-62

  Query Match             68.9%;  Score 62;  DB 9;  Length 11;
  Best Local Similarity   90.9%;  Pred. No. 0.0012;
  Matches   10;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 RCMLGRVYRPC 12
              |||||||:|||
Db          1 RCMLGRVFRPC 11


RESULT 13
US-10-182-509-9
; Sequence 9, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
;  APPLICANT: Bednarek, Maria A.
;  TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
;  FILE REFERENCE: 20590YP
;  CURRENT APPLICATION NUMBER: US/10/182,509
;  CURRENT FILING DATE:  2002-07-31
;  PRIOR APPLICATION NUMBER: PCT/US01/03293
;  PRIOR FILING DATE: 2001-02-01
;  PRIOR APPLICATION NUMBER: 60/179,967
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   NAME/KEY: ACETYLATION
;   LOCATION: (1)...(1)
;   FEATURE:
;   NAME/KEY: AMIDATION
;   LOCATION: (10)...(10)
;   FEATURE:
;   NAME/KEY: DISULFID
;   LOCATION: (1)...(10)
;   OTHER INFORMATION: MCH Analog
US-10-182-509-9

  Query Match             67.8%;  Score 61;  DB 9;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.0015;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 CMLGRVYRPC 12
              ||||||||||
Db          1 CMLGRVYRPC 10


RESULT 14
US-10-182-509-37
; Sequence 37, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
;  APPLICANT: Bednarek, Maria A.
;  TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
;  FILE REFERENCE: 20590YP
;  CURRENT APPLICATION NUMBER: US/10/182,509
;  CURRENT FILING DATE:  2002-07-31
;  PRIOR APPLICATION NUMBER: PCT/US01/03293
;  PRIOR FILING DATE: 2001-02-01
;  PRIOR APPLICATION NUMBER: 60/179,967
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 37
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: MCH Analog
;   FEATURE:
;   NAME/KEY: AMIDATION
;   LOCATION: (10)...(10)
;   FEATURE:
;   NAME/KEY: DISULFID
;   LOCATION: (1)...(10)
US-10-182-509-37

  Query Match             67.8%;  Score 61;  DB 9;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.0015;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 CMLGRVYRPC 12
              ||||||||||
Db          1 CMLGRVYRPC 10


RESULT 15
US-10-182-509-38
; Sequence 38, Application US/10182509
; Publication No. US20030105278A1
; GENERAL INFORMATION:
;  APPLICANT: Bednarek, Maria A.
;  TITLE OF INVENTION: MELANIN-CONCENTRATING HORMONE ANALOGS
;  FILE REFERENCE: 20590YP
;  CURRENT APPLICATION NUMBER: US/10/182,509
;  CURRENT FILING DATE:  2002-07-31
;  PRIOR APPLICATION NUMBER: PCT/US01/03293
;  PRIOR FILING DATE: 2001-02-01
;  PRIOR APPLICATION NUMBER: 60/179,967
;  PRIOR FILING DATE: 2000-02-03
;  NUMBER OF SEQ ID NOS: 78
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 38
;   LENGTH: 10
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: MCH Analog
;   FEATURE:
```

```
;   NAME/KEY: ACETYLATION
;   LOCATION: (1)...(1)
;   FEATURE:
;   NAME/KEY: DISULFID
;   LOCATION: (1)...(10)
;   FEATURE:
;   NAME/KEY: AMIDATION
;   LOCATION: (10)...(10)
US-10-182-509-38

  Query Match             67.8%;  Score 61;  DB 9;  Length 10;
  Best Local Similarity   100.0%;  Pred. No. 0.0015;
  Matches   10;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          3 CMLGRVYRPC 12
              ||||||||||
Db          1 CMLGRVYRPC 10


Search completed: June 25, 2003, 11:58:00
Job time : 23.1 secs
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